

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 65 For Week Ended November 16, 1984 NO. 46

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending:	Last Week Ending:	Last Year Week Ending:	Change From Last Week	Change From Last Year
	11/16/84	11/09/84	11/18/83		
<u>Refinery Operations</u>					
Input to crude oil distillation units	12,094	12,113	12,523	-19	-429
Operable capacity	16,074	16,074	16,309	0	-235
Percent operated	75.2	75.4	76.8		
<u>Motor Gasoline</u>					
Total motor gasoline production	6,601	6,595	6,715	6	-114
Finished leaded motor gasoline production	2,539	2,579	2,916	-40	-377
Finished unleaded motor gasoline production	4,062	4,016	3,799	46	263
Total motor gasoline stocks	233,468	232,835	230,373	633	3,095
Finished leaded motor gasoline stocks	85,551	84,781	92,604	770	-7,053
Finished unleaded motor gasoline stocks	109,208	108,753	98,247	455	10,961
<u>Distillate Fuel Oil</u>					
Distillate fuel oil production	2,749	2,766	2,740	-17	9
Distillate fuel oil stocks	155,632	155,752	162,861	-120	-7,229
<u>Residual Fuel Oil</u>					
Residual fuel oil production	841	846	734	-5	107
Residual fuel oil stocks	49,225	51,433	49,150	-2,208	75
<u>Imports</u>					
Crude oil imports	3,820	3,993	2,847	-173	973
Product imports	2,105	1,450	1,953	655	152
<u>Crude Oil Stocks</u>					
Crude oil stocks	350,497	343,972	354,335	6,525	-3,838

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available



STATISTICS DEPARTMENT

VOL. 65 For Week Ended November 16, 1984

NO. 46

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,224	1,080	1,090	1,405	77.6
Appal. No. 1	98	92	92	115	80.0
DISTRICT 1 TOTAL	1,322	1,172	1,182	1,520	77.8
Appal. No. 2	69	64	64	66	97.0
Ind., Ill., Ky.	1,762	1,581	1,588	2,309	68.8
Minn., Wis., Daks.	315	297	306	303	101.0
Okla., Kans., Mo.	785	697	711	755	94.2
DISTRICT 2 TOTAL	2,931	2,639	2,669	3,433	77.7
Inland Texas	473	448	464	615	75.4
Texas Gulf Coast	3,141	2,782	2,830	3,837	73.8
La. Gulf Coast	2,224	2,064	2,085	2,562	81.4
N. La. and Ark.	161	153	156	302	51.7
New Mexico	63	57	57	114	50.0
DISTRICT 3 TOTAL	6,062	5,504	5,592	7,430	75.3
DISTRICT 4 TOTAL	470	445	447	537	83.2
DISTRICT 5 TOTAL	2,402*	2,169	2,204	3,154	69.9
TOTAL U.S.	13,187	11,929	12,094	16,074	75.2
TOTAL U.S.					
Weeks Ended:					
NOV. 9, 1984	13,233*	11,950	12,113	16,074	75.4
NOV. 18, 1983	13,065	12,270	12,523	16,309	76.8
DISTRICTS 1-4					
Weeks Ended:					
NOV. 16, 1984	10,785	9,760	9,890	12,920	76.5
NOV. 9, 1984	11,014	9,813	9,951	12,920	77.0
NOV. 18, 1983	11,002	10,139	10,363	13,249	78.2

* See Revisions on Page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended November 16, 1984
U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	487	143	344	21	52	260	125
Appal. No. 1	37	16	21	1	--	26	6
DISTRICT 1 TOTAL	524	159	365	22	52	286	131
Appal. No. 2	37	16	21	3	2	17	2
Ind., Ill., Ky.	1,136	435	701	22	93	362	49
Minn., Wis., Daks.	159	67	92	16	6	91	6
Okla., Kans., Mo.	416	216	200	10	34	191	16
DISTRICT 2 TOTAL	1,748	734	1,014	51	135	661	73
Inland Texas	277	135	142	37	21	123	30
Texas Gulf Coast	1,594	506	1,088	--	222	591	173
La. Gulf Coast	1,095	432	663	9	241	508	101
N. La. and Ark.	41	22	19	6	--	48	12
New Mexico	35	16	19	11	--	14	--
DISTRICT 3 TOTAL	3,042	1,111	1,931	63	484	1,284	316
DISTRICT 4 TOTAL	223	113	110	15	23	117	8
DISTRICT 5 TOTAL	1,064	422	642	69	254	401	313
TOTAL U.S.	6,601	2,539	4,062	220	948	2,749	841
TOTAL U.S.							
Weeks Ended:							
NOV. 9, 1984	6,595	2,579	4,016	194	963	2,766	846
NOV. 18, 1983	6,715	2,916	3,799	193	842	2,740	734
DISTRICTS 1-4							
Weeks Ended:							
NOV. 16, 1984	5,537	2,117	3,420	151	694	2,348	528
NOV. 9, 1984	5,557	2,176	3,381	162	714	2,396	520
NOV. 18, 1983	5,738	2,483	3,255	147	616	2,382	463

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

NA-Not Available

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,866	2,118	3,747	1	93	765	13,398	1,454	--
Central Atlantic	30,580	10,833	15,154	4,593	488	5,325	41,676	21,496	12,590
Lower Atlantic	26,675	11,374	14,906	395	226	3,708	15,571	3,669	470
DISTRICT 1 TOTAL	63,121	24,325	33,807	4,989	807	9,798	70,645	26,619	13,060
DISTRICT 2 TOTAL	65,233	28,527	29,992	6,714	1,286	9,930	36,967	3,983*	18,852
DISTRICT 3 TOTAL	70,395	20,877	32,217	17,301	1,965	13,536	33,981	9,710	47,867
DISTRICT 4 TOTAL	6,530	2,767	2,223	1,540	361	634	3,314	509	2,911
DISTRICT 5 TOTAL	28,189	9,055	10,969	8,165	1,667	5,712	10,725	8,404	24,743
TOTAL U.S.	233,468	85,551	109,208	38,709	6,086	39,610	155,632	49,225	107,433
TOTAL U.S.									
Weeks Ended:									
NOV. 9, 1984	232,835	84,781	108,753	39,301	6,115	40,487	155,752	51,433*	109,851
NOV. 18, 1983	230,373	92,604	98,247	39,522	6,247	35,928	162,861	49,150	111,479
DISTRICTS 1-4									
Weeks Ended:									
NOV. 16, 1984	205,279	76,496	98,239	30,544	4,419	33,898	144,907	40,821	82,690
NOV. 9, 1984	205,217	75,982	97,936	31,299	4,486	34,940	145,030	42,512*	84,708
NOV. 18, 1983	204,009	83,519	87,847	32,643	4,883	30,313	152,119	41,222	86,907

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

* See Revisions on Page 7.

NA-Not Available

WEEKLY STATISTICAL BULLETIN

Week Ended November 16, 1984

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API	Latest Dept. of Energy	Total	From Canada	
	Monthly	June 1984			
----- Daily Average -----					
DISTRICTS 1-4 TOTAL					
NOV. 16, 1984	5,934.0	6,030.0	3,630	277	271,277
NOV. 9, 1984	5,934.0	--	3,738	473	271,738
NOV. 2, 1984	5,924.5	--	3,208	306	265,422
OCT. 26, 1984	5,924.5	--	4,291	238	264,446
DISTRICT 5 TOTAL					
NOV. 16, 1984	2,896.8	2,768.0	190	--	79,220 #
NOV. 9, 1984	2,896.8	--	255	--	72,234
NOV. 2, 1984	2,851.8	--	217	--	67,918
OCT. 26, 1984	2,851.8	--	259	--	76,494
#INCLUDES 27,953 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
NOV. 16, 1984	8,830.8	8,798.0	3,820	277	350,497 #
NOV. 9, 1984	8,830.8	--	3,993	473	343,972
NOV. 2, 1984	8,776.3	--	3,425	306	333,340
OCT. 26, 1984	8,776.3	--	4,550	238	340,940
NOV. 18, 1983	8,770.0/a	--	2,847	298	354,335
/a - DOE actual for November 1983.					

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
NOV. 16, 1984	15,460	75,048	166,713	14,056	271,277	79,220 #	350,497 #
NOV. 9, 1984	17,491	76,902	163,454	13,891	271,738	72,234	343,972
NOV. 18, 1983	17,098	78,874	163,368	12,616	271,956	82,379	354,335

¹See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³		Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type							
New England	--	--	--	--	--	--	--	4	--	--	--	4
Central Atlantic	108	--	108	12	--	318	322	45	--	169	--	974
Lower Atlantic	168	104	64	--	--	13	127	--	--	--	--	308
DISTRICT 1 TOTAL												
NOV. 16, 1984	276	104	172	12	--	331	449	49	--	169	--	1,286
NOV. 9, 1984	232	97	135	--	2	287	285	65	--	30	--	901
NOV. 2, 1984	287	106	181	--	43	134	576	21	--	36	--	1,097
OCT. 26, 1984	386	169	217	--	80	472	312	15	--	36	--	1,301
DISTRICTS 2-4 TOTAL												
NOV. 16, 1984	48	6	42	--	--	--	106	272	69	158	--	653
NOV. 9, 1984	22	7	15	--	--	37	79	182	46	127	--	493
NOV. 2, 1984	23	6	17	--	--	--	86	170	132	199	--	610
OCT. 26, 1984	22	5	17	--	--	4	116	80	148	229	--	599
DISTRICT 5 TOTAL												
NOV. 16, 1984	25	10	15	--	--	8	15	29	68	21	--	166
NOV. 9, 1984	10	--	10	--	--	7	11	12	--	16	--	56
NOV. 2, 1984	--	--	--	--	--	--	3	12	--	33	--	48
OCT. 26, 1984	3	--	3	--	20	9	5	11	--	28	--	76
TOTAL U.S.												
	349	120	229	12	--	339	570	350	137	348	--	2,105
TOTAL U.S.												
Weeks Ended:												
NOV. 9, 1984	264	104	160	--	2	331	375	259	46	173	--	1,450
NOV. 2, 1984	310	112	198	--	43	134	665	203	132	268	--	1,755
OCT. 26, 1984	411	174	237	--	100	485	433	106	148	293	--	1,976
NOV. 18, 1983	397	221	176	--	34	325	693	208	174	122	--	1,953

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

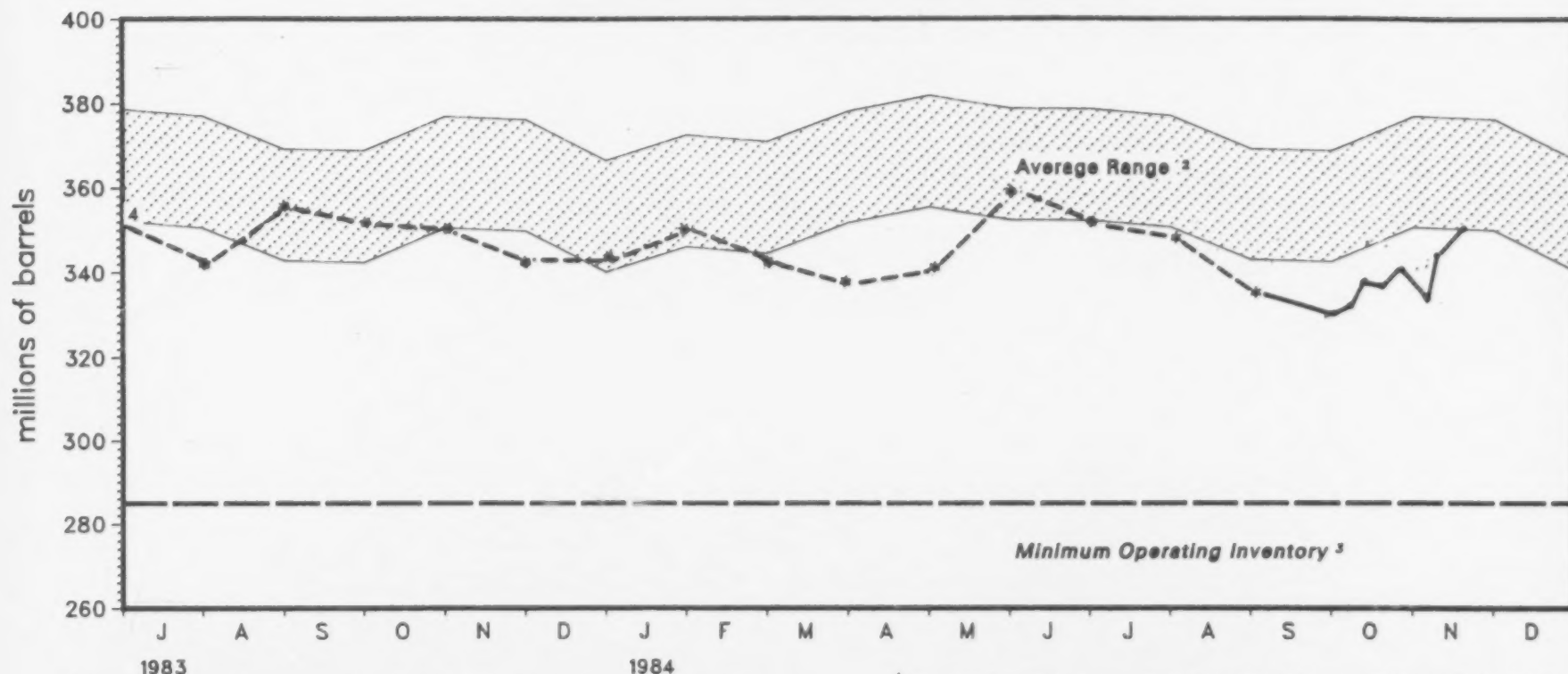
Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

API STATISTICAL BULLETIN
WEEK ENDED: NOV. 16, 1984

REVISIONS

11/09/84	PAGE 1	TOTAL REFINERY INPUT	DISTRICT 5 TOTAL	2,219
			TOTAL U.S.	13,233
	PAGE 3	RESIDUAL FUEL	DISTRICT 2 TOTAL	4,025
			TOTAL U.S.	51,433
			DISTRICTS 1-4	42,512

Crude Oil Stocks at Primary Level ^{1 5}



¹ Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

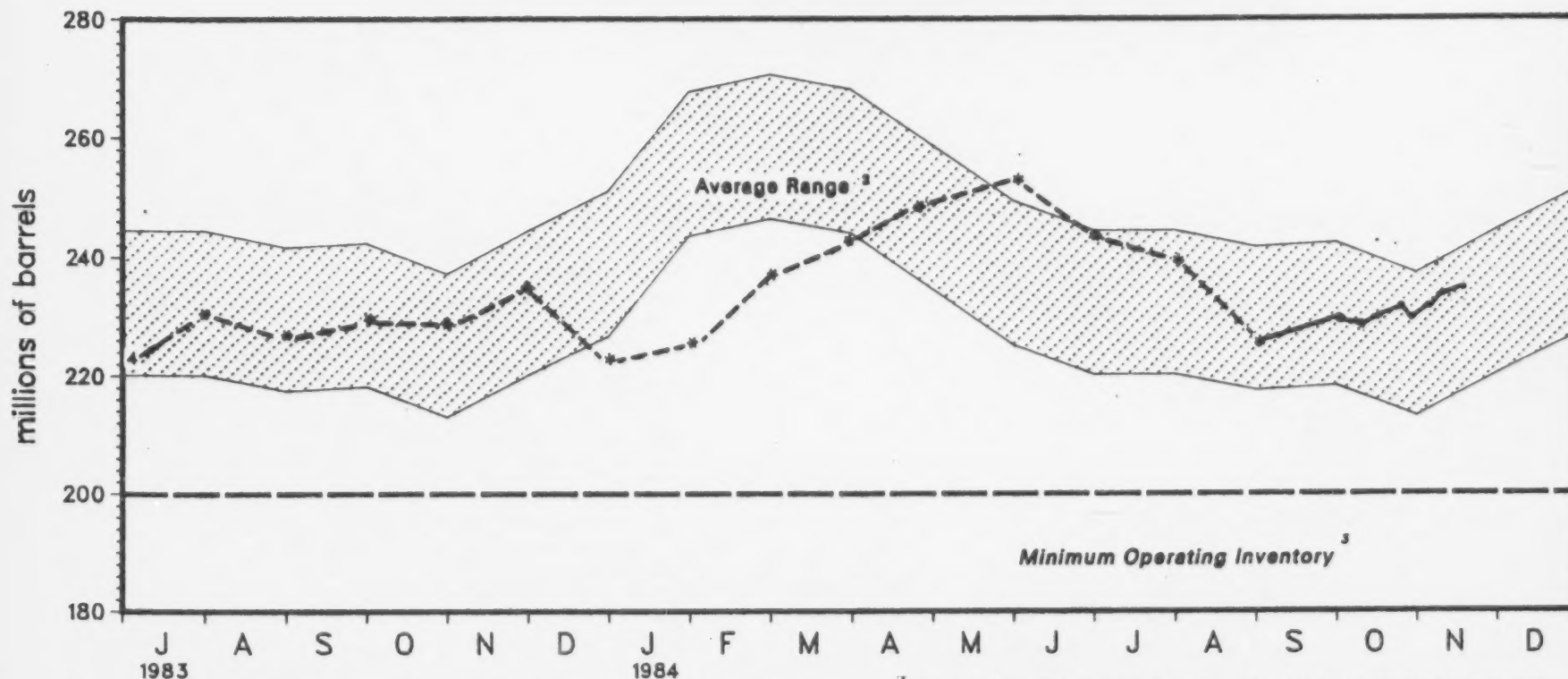
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for crude oil at 285 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
 • — API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Motor Gasoline Stocks at Primary Level ^{1 5}



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

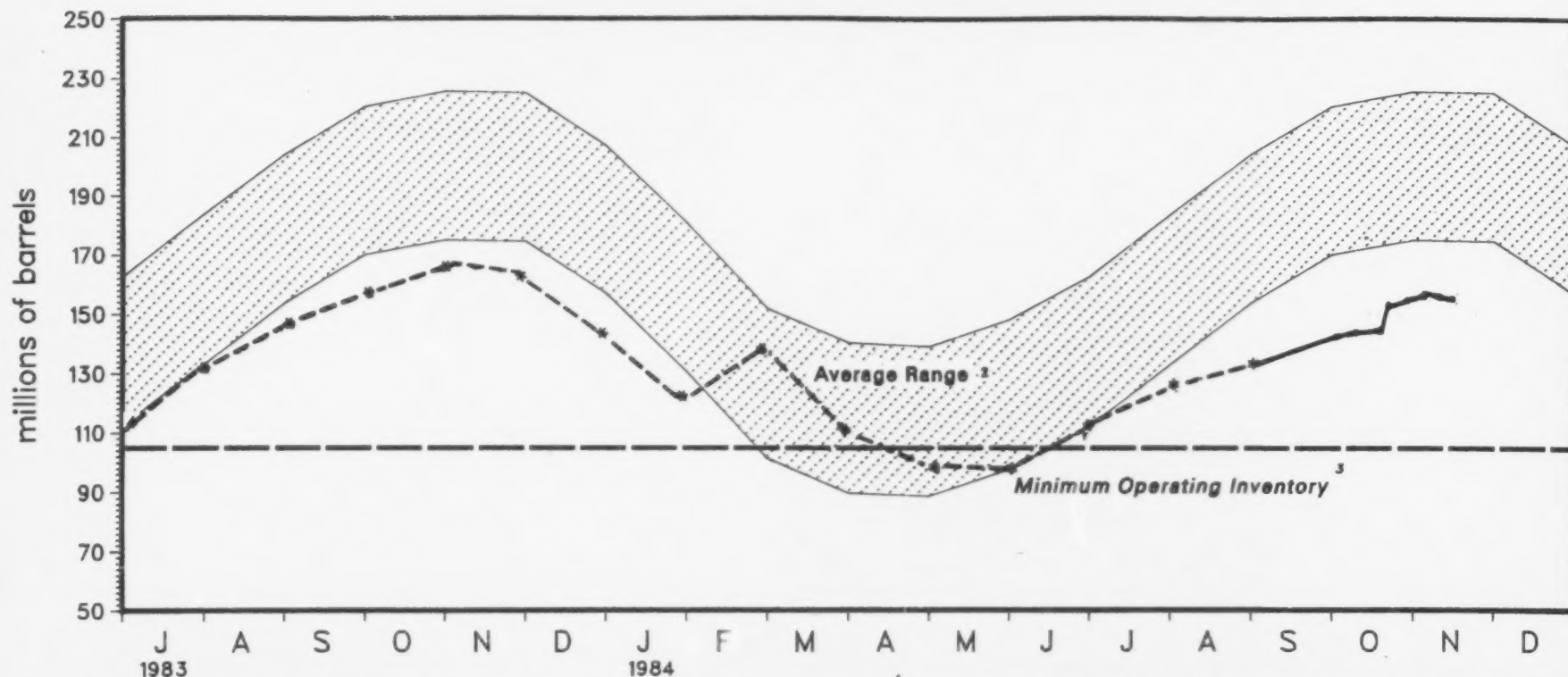
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on six years of monthly data: January 1978 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for motor gasoline at 200 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Distillate Fuel Oil Stocks at Primary Level ^{1 5}



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
* -- API, Weekly Statistical Bulletin.

² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for distillate fuel oil at 105 million barrels.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.